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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Truskett et al.
App. No.: 10/687,519 GPAU: 1775
Filing Date: 10/16/2003 Examiner: Turner, Archene A.
Dkt. No.: P75-17-03 Conf. No.: 5222
For: LOW SURFACE ENERGY TEMPLATES

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure and pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98. The undersigned brings the patents, publications, applications or other information identified in the attached:

- ☒ Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449
☐ Other:

to the Examiner's attention in the above-identified application. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed:
before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.

Applicant(s) does not believe that any additional fees are due, but if the Commissioner believes additional fees are due,

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Signed: _____

Typed Name: Katrina Prati

Date: _____

Katrina Prati

4/22/04

Respectfully Submitted,

Kenneth C. Brooks

Kenneth C. Brooks,
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Complete if Known

Application Number	10/687,519
Filing Date	10/16/2003
First Named Inventor	Truskett et al.
Group Art Unit	1775
Examiner Name	Turner, Archene A.
Attorney Docket Number	P75-17-03

(use as many sheets as necessary)

Sheet	1	of	3
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[illegible]

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10/687,519

10/16/2003

Truskett et al.

1775

Turner, Archene A.

P75-17-03

[illegible]Date
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/687,519
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				Examiner Name	Turner, Archene A.
				Attorney Docket Number	P75-17-03
Sheet	3	of	3		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
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Substitute for form 1449A/PTO

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Sheet

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U.S. PATENT DOCUMENTS

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		Number	Kind Code ² (if known)			
	D1	3,527,062		Bilinski et al.	09-08-1970	
	D2	3,783,520		King	01-08-1974	
	D3	3,807,027		Heisler	04-30-1974	
	D4	3,807,029		Troeger	04-30-1974	
	D5	3,811,665		Seelig	05-21-1974	
	D6	4,062,600		Wyse	12-13-1977	
	D7	4,070,116		Frosch et al.	01-24-1978	
	D8	4,098,001		Watson	07-04-1978	
	D9	4,119,688		Hiraoka	10-10-1978	
	D10	4,119,688		Hiraoka	10-10-1978	
	D11	4,155,169		Drake et al.	05-22-1979	
	D12	4,201,800		Alcorn et al.	05-06-1980	
	D13	4,202,107		Watson	05-13-1980	
	D14	4,267,212		Sakawaki	05-12-1981	
	D15	4,326,805		Feldman et al.	04-27-1982	
	D16	4,337,579		De Fazio	07-06-1982	
	D17	4,355,469		Nevins et al.	10-26-1982	
	D18	4,414,750		De Fazio	11-15-1983	
	D19	4,426,247		Toshiakai et al.	01-17-1984	
	D20	4,440,804		Milgram	04-03-1984	
	D21	4,451,507		Beltz et al.	05-29-1994	
	D22	4,507,331		Hiraoka	03-02-1985	
	D23	4,552,832		Blume et al.	11-12-1985	
	D22	4,552,833		Ito et al.	11-12-1985	
	D25	4,600,309		Fay	07-15-1986	
	D26	4,610,442		Oku et al.	09-09-1986	
	D27	4,657,845		Frechet et al.	04-04-1987	
	D28	4,692,205		Sachdev et al.	09-08-1987	
	D29	4,694,703		Routson	09-22-1987	
	D30	4,707,218		Giammarco et al.	11-17-1987	
	D31	4,724,222		Feldman	02-09-1988	
	D32	4,737,425		LIN et al.	04-12-1988	
	D33	4,763,886		Takei	08-16-1988	
	D34	4,808,511		Holmes	02-28-1989	
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				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	2	of	16	Attorney Docket Number	P75-17-03

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		Number	Kind Code ² (if known)			
	D35	4,826,943		Ito et al.	05-02-1989	
	D36	4,846,931		Gmitter et al.	07-11-1989	
	D37	4,848,911		Uchida et al.	07-18-1989	
	D38	4,857,477		Kanamori	08-15-1989	
	D39	4,883,561		Gmitter et al.	11-28-1989	
	D40	4,891,303		Garza et al.	01-02-1990	
	D41	4,908,298		Hefferon et al.	03-13-1990	
	D42	4,919,748		Bredbenner et al.	04-24-1990	
	D43	4,921,778		Thackeray et al.	05-01-1990	
	D44	4,929,083		Brunner	05-29-1990	
	D45	4,931,351		McColgin et al.	06-05-1990	
	D46	4,964,945		Calhoun	10-23-1990	
	D47	4,976,818		Hashimoto et al.	12-11-1990	
	D48	4,980,316		Huebner	12-25-1990	
	D49	4,999,280		Hiraoka	03-12-1990	
	D50	5,053,318		Gulla et al.	10-01-1991	
	D51	5,063,321		Carter	11-05-1991	
	D52	5,071,694		Uekita et al.	12-10-1991	
	D53	5,072,126		Progler	12-10-1991	
	D54	5,073,230		Maracas et al.	12-17-1991	
	D55	5,074,667		Miyatake	12-24-1991	
	D56	5,108,875		Thackeray et al.	04-28-1992	
	D57	5,110,514		Soane	05-05-1992	
	D58	5,126,006		Cronin et al.	06-30-1992	
	D59	5,148,036		Matsugu et al.	09-15-1992	
	D60	5,148,037		Suda et al.	09-15-1992	
	D61	5,151,754		Ishibashi et al.	09-29-1992	
	D62	5,169,494		Hashimoto et al.	12-08-1992	
	D63	5,173,393		Sezi et al.	12-22-1992	
	D64	5,179,863		Uchida et al.	01-19-1993	
	D65	5,198,326		Hashimoto et al.	03-30-1993	
	D66	5,204,739		Domenicali	04-20-1993	
	D67	5,212,147		Sheats	05-18-1993	
	D68	5,234,793		Sebald et al.	08-10-1993	
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				First Named Inventor	Truskett et al.
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		Number	Kind Code ² (if known)			
	D69	5,240,550		Boehnke et al.	08-31-1993	
	D70	5,240,878		Fizsimmons et al.	08-31-1993	
	D71	5,242,711		DeNatale et al.	09-07-1993	
	D72	5,244,818		Jokerst et al.	09-14-1993	
	D73	5,270,984	A	Mine	12-14-1993	
	D74	5,277,749		Griffith et al.	01-11-1994	
	D75	5,314,772		Kozicki et al.	05-24-1994	
	D76	5,318,870		Hartney	06-07-1994	
	D77	5,324,683		Fitch et al.	06-28-1994	
	D78	5,328,810		Lowrey et al.	07-12-1994	
	D79	5,330,881		Sidman et al.	07-19-1994	
	D80	5,348,616		Hartman et al.	09-20-1994	
	D81	5,362,606		Hartney et al.	11-08-1994	
	D82	5,366,851		Novembre	11-22-1994	
	D83	5,374,454		Bickford et al.	12-20-1994	
	D84	5,376,810		Hoenk et al.	12-27-1994	
	D85	5,380,474		Rye et al.	01-10-1995	
	D86	5,392,123		Marcus et al.	02-21-1995	
	D87	5,417,802		Obeng	05-23-1995	
	D88	5,421,981		Leader et al.	06-06-1995	
	D89	5,422,295		Choi et al.	06-06-1995	
	D90	5,424,549		Feldman	06-13-1995	
	D91	5,425,964		Southwell et al.	06-20-1995	
	D92	5,431,777		Austin et al.	07-11-1995	
	D93	5,439,766		Day et al.	08-08-1995	
	D94	5,452,090		Progler et al.	09-19-1995	
	D95	5,453,157		Jeng	09-26-1995	
	D96	5,458,520		DeMercurio et al.	10-17-1995	
	D97	5,468,542		Crouch	11-21-1995	
	D98	5,515,167		Ledger et al.	05-07-1996	
	D99	5,527,662		Hashimoto et al.	06-18-1996	
	D100	5,545,367		Bae et al.	08-13-1996	
	D101	5,566,584		Briganti	10-22-1996	
	D102	5,633,505		Chung et al.	05-27-1997	
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	D103	5,654,238		Cronin et al.	08-05-1997	
	D104	5,669,303		Maracas et al.	09-23-1997	
	D105	5,670,415		Rust	09-23-1997	
	D106	5,700,626		Lee et al.	12-23-1997	
	D107	5,723,176		Keyworth et al.	03-03-1998	
	D108	5,724,145		Kondo et al.	03-03-1998	
	D109	5,736,424		Prybyla et al.	04-07-1998	
	D110	5,743,998		Park	04-28-1998	
	D111	5,747,102		Smith et al.	05-05-1998	
	D112	5,753,014		Van Rijn	05-19-1998	
	D113	5,760,500		Kondo et al.	06-02-1998	
	D114	5,779,799		Davis	07-14-1998	
	D115	5,802,914		Fassler et al.	09-08-1998	
	D116	5,855,686		Rust	01-05-1999	
	D117	5,877,036		Kawai	03-02-1999	
	D118	5,877,861		Ausschnitt et al.	03-02-1999	
	D119	5,888,650		Calhoun et al.	03-30-1999	
	D120	5,895,263		Carter et al.	04-20-1999	
	D121	5,907,782		Wu	05-25-1999	
	D122	5,912,049		Shirley	06-15-1999	
	D123	5,926,690		Toprac et al.	07-20-1999	
	D124	5,942,871		Lee	08-24-1999	
	D125	5,948,219		Rohner	09-07-1999	
	D126	5,948,570		Kornblit et al.	09-07-1999	
	D127	5,952,127		Yamanaka	09-14-1999	
	D128	6,033,977		Gutsche et al.	03-07-2000	
	D129	6,035,805		Rust	03-14-2000	
	D130	6,038,280		Rossiger et al.	03-14-2000	
	D131	6,046,056		Parce et al.	04-04-2000	
	D132	6,051,345		Huang	04-18-2000	
	D133	6,074,827		Nelson et al.	06-13-2000	
	D134	6,091,485		Li et al.	07-18-2000	
	D135	6,096,655		Lee et al.	08-01-2000	
	D136	6,125,183		Jiawook et al.	09-26-2000	
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Sheet	5	of	16	Attorney Docket Number	P75-17-03

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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
	D137	6,150,231		Muller et al.	11-21-2000	
	D138	6,150,680		Eastman et al.	11-21-2000	
	D139	6,188,150	B1	Spence	02-13-2001	
	D140	6,204,922	B1	Chalmers	03-20-2001	
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	D142	6,274,294	B1	Hines	08-14-2001	
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	D153	6,514,672	B2	Young et al.	02-04-2003	
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				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	6	of	16	Attorney Docket Number	P75-17-03

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		Number	Kind Code ² (if known)			
	D171	6,770,852	B1	Steger	08-03-2004	
	D172	6,776,094	B1	Whitesides et al.	08-17-2004	
	D173	6,777,170	B1	Bloomstein et al.	08-17-2004	
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	D199	2004/0112862	A1	Willson et al.	06-17-2004	
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	D201	2004/0124566	A1	Sreenivasan et al.	07-01-2004	
	D202	2004/0141163	A1	Bailey et al.	07-22-2004	
	D203	2004/0141168	A1	Sreenivasan et al.	07-22-2004	
	D204	2004/0149687	A1	Choi et al.	08-05-2004	
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Sheet

7

of

16

Application Number

10/687.519

Filing Date

10/16/2003

First Named Inventor

Truskett et al.

Group Art Unit

1775

Examiner Name

Turner, Archene A.

Attorney Docket Number

P75-17-03

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Sheet	8	of	16		

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				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	9	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	D239	Abstract of Japanese Patent 02-24848, January 26, 1990	
	D240	Abstract of Japanese Patent 02-92603, August 12, 2004	
	D241	Abstract of Japanese Patent 55-88332, April 14, 2004	
	D242	Abstract of Japanese Patent 57-7931, April 14, 2004	
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	D250	Sreenivasan et al., "A Conforming Template for Patterning Liquids Disposed on Substrates." U.S. Patent Application 10/614,716. Filed with USPTO on July 7, 2003.		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	11	of	16	Attorney Docket Number	P75-17-03

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Sheet	12	of	16	Attorney Docket Number	P75-17-03

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	D284	NERAC.COM Retro Search, "Reduction of Dimension of Contact Holes.", August 31, 2004.	
	D285	NERAC.COM Retro Search, "Trim Etching of Features Formed on an Organic Layer.", September 2, 2004.	
	D286	OHYA et al., "Development of 3-DOF Finger Module for Micro Manipulation.", Proc. of IEEE, March 1, 1999, Intl. Conf. on Intelligent Robots and Systems, pp. 894-899.	
	D287	OTTO et al., "Step and Repeat UV-Nanoimprint Lithography: Material Issues.", NNT02 San Francisco, December 11, 2002.	
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	D289	PAROS et al., "How to design Flexure Hinges.", Machine Design, November 25, 1965, pp 151-156.	
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	D291	PERNETTE et al., "Design of Parallel Robots in Microbotics.", Robotica, January 1, 1997, Vol. 15, pp 417-420.	
	D292	PHYSIK INSTRUMENTS, PI Online-Catalog, 1999, from www.physikinstrument.com	
	D293	PHYSIK INSTRUMENTS, Product Catalog for Micropositioning, 1997	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/687,519
				Filing Date	10/16/2003
				First Named Inventor	Truskett et al.
				Group Art Unit	1775
				Examiner Name	Turner, Archene A.
Sheet	14	of	16	Attorney Docket Number	P75-17-03

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	D294	RAIBERT et al., "Hybrid Position/Force Control of Manipulators.", Journal of Dynamic Systems, Measurement, and Control, June 1, 1981, Vol. 102, pp. 126 – 133.	
	D295	RONG et al., "Design and Analysis of Flexure-Hinge Mechanism Used in Micro-Positioning Stages.", ASME, January 1, 1994, Vol. 2, pp. 979-985.	
	D296	RONG et al., "Dynamics of Parallel Mechanism with Direct Compliance Control.", IEEE, January 1, 1997, pp. 1753-1758.	
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	D298	RUCHHOEFT et al., "Patterning Curved Surfaces: Template Generation by Ion Beam Proximity Lithography and Relief Transfer by Step and Flash Imprint Lithography.", Journal of Vacuum Science and Technology, pp. 1-17.	
	D299	SLOCUM, "Precision Machine Design: Macromachine Design Philosophy and Its Applicability to the Design of Micromachines.", Micro Electro Mechanical Systems, February 4, 1992.	
	D300	SOWAH, Diamond Used to Break the Mould [online], Sept, 18, 2002, [Retrieved on Sept. 2, 2003.] Retrieved from the Internet: <URL: http://eetuk.com/showArticle.jhtml?articleID=19203691 >.	
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	D303	STIX, "Getting More from Moores", Scientific American	
	D304	SUNG et al., "Abstract of Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication", Elsevier Science B.V., July 1, 2003, Vol. 255, no. 7	

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	D305	SUNG et al., "Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication.", Elsevier Science B.V., July 1, 2003, Vol. 255, No. 7, pp. 808-818.	
	D306	TAJBAKHSI et al., "Three-Degree-of-Freedom Optic Mount for Extreme Ultraviolet.", American Society for Precision Engineering, January 1, 1998, pp. 359-362.	
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	D310	Translation of Japanese Patent 02-92603, April 3, 1990.	
	D311	TRILOGY SYSTEMS, "Linear Motors 310.", www.trilogysystems.com, January 1, 2001.	
	D312	US Application No. 10/375,817, Filed 02-27-2003, NGUYEN et al., "Method to Reduce Adhesion between a Polymerizable Layer and a Substrate Employing a Fluorine-Containing Layer."	
	D313	US Application No. 10/463,396, Filed 06-17-2003, CHOI et al., "Method to Reduce Adhesion Between a Conformable Region and a Pattern of a Mold."	
	D314	US Application No. 10/735,110, Filed 12-12-2003, NIMMAKAYALA et al., "Magnification Correction Employing Out-of-Plane Distortion of a Substrate."	
	D315	US Application No. 10/785,248, Filed 02-24-2004, CHOI et al., "A Method to Control the Relative Position Between a Body and a Surface."	

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	D316	US Application No. 10/788,700, Filed 02-27-2004, SREENIVASAN et al., "Full-Wafer or Large Area Imprinting with Multiple Separated Sub-Fields for High Throughput Lithography."	
	D317	US Application No. 10/806,956, Filed 03-23-2003, CHOI et al., "An Apparatus to Control Displacement of a Body Spaced-Apart from a Surface."	
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	D321	WANG et al., "Passive Compliance versus Active Compliance in Robot-Based Automated Assembly Systems.", Industrial Robot, January 1, 1998, Vol. 25, No. 1, pp. 48-57.	
	D322	WILLIAMS et al., "Six Degree of Freedom Mag-Lev Stage Development.", SPIE, January 1, 1997, Vol. 3051, pp. 856-867.	
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	D325	XU et al., "Materials for Imprint Lithography," U.S. Patent Application 10/784,911, Filed with USPTO Feb. 23, 2004.	
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